

List of published preliminary research relevant to the research program

Lammers, Michael

Peer-reviewed Publications (selection)

1. Seenivasan R, Hermanns T, Blyszcz T, **Lammers M**, Praefcke GJK, Hofmann K. 2019. Mechanism and chain-specificity of RNF216/TRIAD3, the ubiquitin ligase mutated in Gordon-Holmes Syndrome. *Hum Mol Genet* ddz098, <https://doi.org/10.1093/hmg/ddz098>
2. Chen G, Luo Y, Warncke K, Sun Y, Yu DS, Fu H, Behera M, Ramalingam SS, Doetsch PW, Duong DM, **Lammers M**, Curran WJ, Deng X. 2019. Acetylation regulates ribonucleotide reductase activity and cancer cell growth. *Nat Commun* 10:3213
3. Hansen BK, Gupta R, Baldus L, Lyon D, Narita T, **Lammers M**, Choudhary C, Weinert BT. 2019. Analysis of human acetylation stoichiometry defines mechanistic constraints on protein regulation. *Nat Commun* 10:1055
4. **Lammers M**. 2018. Expression and Purification of Site-Specifically Lysine-Acetylated and Natively-Folded Proteins for Biophysical Investigations. *Methods Mol Biol* 1728: 169-90
5. Kremer M, Kuhlmann N, Lechner M, Baldus L, **Lammers M**. 2018. Comment on 'YcgC represents a new protein deacetylase family in prokaryotes'. *Elife* 7
6. Kuhlmann N, Chollet C, Baldus L, Neundorf I, **Lammers M**. 2017. Development of Substrate-Derived Sirtuin Inhibitors with Potential Anticancer Activity. *ChemMedChem* 12:1703-1714
7. Kuhlmann N, Wroblowski S, Scislawski L, **Lammers M**. 2016. RhoGDI α Acetylation at K127 and K141 Affects Binding toward Nonprenylated RhoA. *Biochemistry* 55:304-312
8. Kuhlmann N, Wroblowski S, Knyphausen P, de Boor S, Brenig J, Zienert AY, Meyer-Teschendorf K, Praefcke GJ, Nolte H, Kruger M, Schacherl M, Baumann U, James LC, Chin JW, **Lammers M**. 2016. Structural and Mechanistic Insights into the Regulation of the Fundamental Rho Regulator RhoGDI α by Lysine Acetylation. *J Biol Chem* 291:5484-5499
9. Knyphausen P, Lang F, Baldus L, Extra A, **Lammers M**. 2016. Insights into K-Ras 4B regulation by post-translational lysine acetylation. *Biol Chem* 397:1071-1085
10. Knyphausen P, de Boor S, Kuhlmann N, Scislawski L, Extra A, Baldus L, Schacherl M, Baumann U, Neundorf I, **Lammers M**. 2016. Insights into Lysine Deacetylation of Natively Folded Substrate Proteins by Sirtuins. *J Biol Chem* 291:14677-14694